

=> d his full

(FILE 'HOME' ENTERED AT 21:54:17 ON 02 JUN 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 21:54:43 ON 02 JUN 2006  
SEA SECRET?(S)(LYSOS? OR GRANUL?)

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L1 QUE SECRET?(S)(LYSOS? OR GRANUL?)

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FILE 'BIOSIS, MEDLINE, CAPLUS, EMBASE, SCISEARCH, USPATFULL, ESBIODASE,  
BIOTECHNO, PASCAL, LIFESCI, TOXCENTER, CABA' ENTERED AT 21:57:35 ON 02  
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L2 108725 SEA SECRET?(S)(LYSOS? OR GRANUL?)

L3 9324 SEA L2(S) LOCAL?

L4 887 SEA L3(S)(PROTEAS? OR TRYPTAS? OR CHYMAS? OR CATHEPS? OR  
CARBOXYPEPTIDAS? OR PROTEINAS? OR HEXOSAMIDA?)

L5 716 SEA L4(S) CELL?

L6 146 SEA L5(S) MAST?

L7 76 DUP REM L6 (70 DUPLICATES REMOVED)

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L8 27 SEA L7 AND FUS?

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L9 181 SEA L5 AND MAST?

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L11 59 DUP REM L10 (1 DUPLICATE REMOVED)

D TI L11 1-59

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NEWS	6	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	7	FEB 27	New STN AnaVist pricing effective March 1, 2006
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NEWS	9	MAR 22	EMBASE is now updated on a daily basis
NEWS	10	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	11	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
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NEWS	15	APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS	16	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	17	MAY 11	KOREAPAT updates resume
NEWS	18	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	19	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	20	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	21	JUN 02	The first reclassification of IPC codes now complete in INPADOC
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=> index bioscience medicine

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0.21	0.21

FULL ESTIMATED COST

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71 FILES IN THE FILE LIST IN STNINDEX

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=> s secret?(s)(lysos? or granul?)

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62 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX

L1 QUE SECRET?(S) (LYSOS? OR GRANUL?)

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=> s secret?(s) (lysos? or granul?)

L2 108725 SECRET?(S) (LYSOS? OR GRANUL?)

=> s l2(s) local?

L3 9324 L2(S) LOCAL?

=> s l3(s) (proteas? or tryptas? or chymas? or catheps? or carboxypeptidas? or  
proteinase? or hexosamida?)

L4 887 L3(S) (PROTEAS? OR TRYPTAS? OR CHYMAS? OR CATHEPS? OR CARBOXYPEP  
TIDAS? OR PROTEINAS? OR HEXOSAMIDA?)

=> s l4(s) cell?

7 FILES SEARCHED...

9 FILES SEARCHED...

L5 716 L4(S) CELL?

=> s l5(s) mast?

L6 146 L5(S) MAST?

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L7 ANSWER 1 OF 76 USPATFULL on STN

TI RT-PCR-based cloning of the human beta-amyloid precursor protein gene  
and the construction of its expression plasmids

L7 ANSWER 2 OF 76 USPATFULL on STN

TI Novel inhibitors of chymase

L7 ANSWER 3 OF 76 USPATFULL on STN

TI Cancer treatment methods using selected antibodies to aminophospholipids

L7 ANSWER 4 OF 76 USPATFULL on STN

TI Cancer treatment methods using selected immunoconjugates for binding to  
aminophospholipids

L7 ANSWER 5 OF 76 USPATFULL on STN

TI Composition, synthesis and therapeutic applications of polyamines

L7 ANSWER 6 OF 76 USPATFULL on STN

TI Method to identify and analyze genes having modified expression in  
activated cells with secretory lysosomes

L7 ANSWER 7 OF 76 USPATFULL on STN

TI Novel amine derivative having human beta-tryptase inhibitory activity  
and drugs containing the same

L7 ANSWER 8 OF 76 CAPLUS COPYRIGHT 2006 ACS on STN

TI A role for cathepsin E in the processing of mast-cell carboxypeptidase A

L7 ANSWER 9 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on  
STN DUPLICATE

TI Mast cell tryptase may modulate endothelial cell phenotype in healing  
myocardial infarcts

L7 ANSWER 10 OF 76 USPATFULL on STN

TI Lp mammalian proteins; related reagents

L7 ANSWER 11 OF 76 USPATFULL on STN  
TI Methods and compositions for targeting secretory lysosomes

L7 ANSWER 12 OF 76 USPATFULL on STN  
TI Purified proenzyme of dipeptidyl peptidase i (pro-dppi)

L7 ANSWER 13 OF 76 USPATFULL on STN  
TI Proteins and nucleic acids encoding same

L7 ANSWER 14 OF 76 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same

L7 ANSWER 15 OF 76 PASCAL COPYRIGHT 2006 INIST-CNRS. ALL RIGHTS RESERVED.  
on STN  
TIEN Mast cells and hemangioma

L7 ANSWER 16 OF 76 USPATFULL on STN  
TI Method of treating interleukin-6-mediated inflammatory diseases

L7 ANSWER 17 OF 76 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same

L7 ANSWER 18 OF 76 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same

L7 ANSWER 19 OF 76 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same

L7 ANSWER 20 OF 76 USPATFULL on STN  
TI Novel proteins and nucleic acids encoding same

L7 ANSWER 21 OF 76 USPATFULL on STN  
TI Interventions to mimic the effects of calorie restriction

L7 ANSWER 22 OF 76 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same

L7 ANSWER 23 OF 76 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same

L7 ANSWER 24 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V.  
on STN DUPLICATE  
TI IL-1 Induces Vesicular Secretion of IL-6 without Degranulation from Human  
Mast Cells

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on STN DUPLICATE  
TI Isolation of Mast Cell Secretory Lysosomes Using Flow Cytometry

L7 ANSWER 26 OF 76 USPATFULL on STN  
TI Method for reducing or preventing the establishment, growth or  
metastasis of cancer by administering benzimidazole peptidomimetics  
PAR-1 antagonist and optionally PAR-2 antagonists

L7 ANSWER 27 OF 76 USPATFULL on STN  
TI Method for reducing or preventing the establishment, growth or  
metastasis of cancer by administering indole peptidomimetics PAR-1  
antagonist and optionally PAR-2 antagonists

L7 ANSWER 28 OF 76 USPATFULL on STN  
TI Method for reducing or preventing the establishment, growth or  
metastasis of cancer by administering PAR-1 and optionally PAR-2  
antagonists



L7 ANSWER 29 OF 76 USPATFULL on STN  
 TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering indazole peptidomimetics PAR-1 antagonist and optionally PAR-2 antagonists

L7 ANSWER 30 OF 76 USPATFULL on STN  
 TI Natural product composition for decreasing IgE production and treating secondary allergic responses

L7 ANSWER 31 OF 76 USPATFULL on STN  
 TI Interventions to mimic the effects of calorie restriction

L7 ANSWER 32 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
 TI Enteric expression of the integrin  $\alpha$ .sub.v $\beta$ .sub.6 is essential for nematode-induced mucosal mast cell hyperplasia and expression of the granule chymase, mouse mast cell protease-1

L7 ANSWER 33 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
 TI Tissue-specific expression of mast cell granule serine proteinases and their role in inflammation in the lung and gut

L7 ANSWER 34 OF 76 USPATFULL on STN  
 TI Phospholipase D gene

L7 ANSWER 35 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
 TI Human mast cells release metalloproteinase-9 on contact with activated T cells: Juxtacrine regulation by TNF- $\alpha$

L7 ANSWER 36 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN  
 TI Secretory granules of mast cells accumulate mature and immature MHC class II molecules

L7 ANSWER 37 OF 76 MEDLINE on STN  
 TI Role of chymase on vascular proliferation.

L7 ANSWER 38 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN  
 TI The lysosomal protease cathepsin D is efficiently sorted to and secreted from regulated secretory compartments in the rat basophilic/mast cell line RBL

L7 ANSWER 39 OF 76 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 7  
 TI Latexin, a carboxypeptidase A inhibitor, is expressed in rat peritoneal mast cells and is associated with granular structures distinct from secretory granules and lysosomes

L7 ANSWER 40 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN  
 TI Dipeptidyl peptidase I cleaves matrix-associated proteins and is expressed mainly by mast cells in normal dog airways

L7 ANSWER 41 OF 76 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Role of chymase on vascular proliferation

L7 ANSWER 42 OF 76 USPATFULL on STN  
 TI Mast cell protease that cleaves fibrinogen

L7 ANSWER 43 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
 TI Contribution of mast cells to the tubulointerstitial lesions in IgA

nephritis

- L7 ANSWER 44 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
TI Stem cell factor in mast cells and increased mast cell density in idiopathic and ischemic cardiomyopathy
- L7 ANSWER 45 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
TI Immunocytochemical localization of chymase to cytoplasmic vesicles after rat peritoneal mast cell stimulation by compound 48/80
- L7 ANSWER 46 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
TI Mast cell and mast cell granule phenotypes in normal and Nippostrongylus-infected rats. A qualitative laser confocal microscopic study
- L7 ANSWER 47 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
TI Molecular and cellular biology of mast cells and basophils
- L7 ANSWER 48 OF 76 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 13  
TI PH dependence of bovine mast cell tryptase catalytic activity and of its inhibition by 4',6-diamidino-2-phenylindole.
- L7 ANSWER 49 OF 76 PASCAL COPYRIGHT 2006 INIST-CNRS. ALL RIGHTS RESERVED. on STN  
TIEN Human synovial mast cells. I. Ultrastructural in situ and in vitro immunologic characterization
- L7 ANSWER 50 OF 76 LIFESCI COPYRIGHT 2006 CSA on STN  
TI Eosinophil granule proteins activate human heart mast cells
- L7 ANSWER 51 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN  
TI The role of basophils in allergic disease
- L7 ANSWER 52 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
TI Heterogeneity of human mast cells based on cytokine content
- L7 ANSWER 53 OF 76 USPATFULL on STN  
TI Hematopoietic cell specific transcriptional regulatory elements of serglycin and uses thereof
- L7 ANSWER 54 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE  
TI Development of a new, more sensitive immunoassay for human tryptase: Use in systemic anaphylaxis
- L7 ANSWER 55 OF 76 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 16  
TI Tissue angiotensin II system in the human heart.
- L7 ANSWER 56 OF 76 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN  
TI Three-dimensional models of four mouse mast cell chymases. Identification of proteoglycan binding regions and protease-specific antigenic epitopes
- L7 ANSWER 57 OF 76 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN  
TI Translation and granule localization of mouse mast cell protease-5: Immunodetection with specific antipeptide Ig
- L7 ANSWER 58 OF 76 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on

STN  
 TI DIFFERENTIAL EXPRESSION OF SECRETORY GRANULE PROTEASES IN MOUSE MAST CELLS EXPOSED TO INTERLEUKIN 3 AND C-KIT LIGAND. DUPLICATE 17

L7 ANSWER 59 OF 76 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN  
 DUPLICATE  
 TI Cloning and characterization of the novel gene for mast cell carboxypeptidase A

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 TI Mast cells and skin tumours.

L7 ANSWER 61 OF 76 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN  
 TI Continuous release of secretory granule proteoglycans from a cell strain derived from the bone marrow of a patient with diffuse cutaneous mastocytosis

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 DUPLICATE  
 TI Identification of aminopeptidase activity in the secretory granules of mouse mast cells

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 DUPLICATE 20  
 TI CYTOKINE MESSENGER RNA ARE PREFERENTIALLY INCREASED RELATIVE TO SECRETORY GRANULE PROTEIN MESSENGER RNA IN MOUSE BONE MARROW-DERIVED MAST CELLS THAT HAVE UNDERGONE IGE-MEDIATED ACTIVATION AND DEGRANULATION.

L7 ANSWER 64 OF 76 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
 TI **LOCALIZATION AND DISCHARGE OF MAST CELL SERINE PROTEINASES EVIDENCE OF COMPARTMENTALIZATION AND EXTERNALIZATION BY SECRETORY GRANULES.**

L7 ANSWER 65 OF 76 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Rat mast cell tryptase

L7 ANSWER 66 OF 76 MEDLINE on STN  
 DUPLICATE 21  
 TI Human mucus proteinase inhibitor (human MPI). Human seminal inhibitor I (HUSI-I), antileukoprotease (ALP), secretory leukocyte protease inhibitor (SLPI).

L7 ANSWER 67 OF 76 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN  
 TI Human skin chymotrypsin-like proteinase chymase. Subcellular localization to mast cell granules and interaction with heparin and other glycosaminoglycans

L7 ANSWER 68 OF 76 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Carboxypeptidase A in mouse mast cells. Identification, characterization, and use as a differentiation marker

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 TI DETECTION AND PARTIAL CHARACTERIZATION OF A HUMAN MAST CELL CARBOXYPEPTIDASE.

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 TI SUBSTRATE SPECIFICITY OF THE CHYMOTRYPSIN-LIKE PROTEASE IN SECRETORY GRANULES ISOLATED FROM RAT MAST CELLS.

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 TI Substrate specificity of the chymotrypsin-like protease in secretory granules isolates from rat mast cells.

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STN DUPLICATE 24

TI REGULATION OF TRYPTASE FROM HUMAN LUNG MAST CELLS BY HEPARIN STABILIZATION  
OF THE ACTIVE TETRAMER.

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TI Purification and characterization of protease-resistant secretory granule  
proteoglycans containing chondroitin sulfate Di-B and heparin-like  
glycosaminoglycans from rat basophilic leukemia cells

L7 ANSWER 74 OF 76 MEDLINE on STN DUPLICATE 25

TI Localization of **carboxypeptidase A** to the  
macromolecular heparin proteoglycan-protein complex in **secretory  
granules** of rat serosal **mast cells**.

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TI Collagens of basement membranes

L7 ANSWER 76 OF 76 MEDLINE on STN DUPLICATE 26

TI Enzymes of the mast cell granule.

=> d ibib abs 17 6 8 11 24 29 30 33 36 37 39 54 58 64 74 76

L7 ANSWER 6 OF 76 USPATFULL on STN

ACCESSION NUMBER: 2005:81467 USPATFULL

TITLE: Method to identify and analyze genes having modified  
expression in activated cells with secretory lysosomes

INVENTOR(S): Kabcenell, Alisa, Weston, CT, UNITED STATES  
Li, Jun, Danbury, CT, UNITED STATES  
Rajotte, Daniel, Danbury, CT, UNITED STATES

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharmaceuticals, Inc., Ridgefield,  
CT, UNITED STATES, 06877-0368 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005069909	A1	20050331
APPLICATION INFO.:	US 2003-737465	A1	20031216 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-437239P	20021231 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MICHAEL P. MORRIS, BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P O BOX 368, RIDGEFIELD, CT, 06877-0368	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	949	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of identifying genes involved in the regulated secretion of  
cells having secretory lysosomes comprising the steps of:

- exposing experimental cells to an activating agent;
- preparing RNA from said experimental cells at one or more activation  
phases;
- measuring the level of gene expression in the cells;
- comparing the levels of gene expression of said experimental cells to  
the level of gene expression in control cells that have not been exposed

to an activating agent;

e) identifying genes that are up regulated or down regulated in said experimental cells relative to said control cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 76 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:477401 CAPLUS

DOCUMENT NUMBER: 144:123728

TITLE: A role for cathepsin E in the processing of mast-cell carboxypeptidase A

AUTHOR(S): Henningsson, Frida; Yamamoto, Kenji; Saftig, Paul; Reinheckel, Thomas; Peters, Christoph; Knight, Stefan D.; Pejler, Gunnar

CORPORATE SOURCE: Department of Molecular Biosciences, The Biomedical Centre, Swedish University of Agricultural Sciences, Uppsala, 751 23, Swed.

SOURCE: Journal of Cell Science (2005), 118(9), 2035-2042

CODEN: JNCSAI; ISSN: 0021-9533

PUBLISHER: Company of Biologists Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Mast-cell carboxypeptidase A is stored in the secretory granule and is released, together with a range of other inflammatory mediators, upon mast-cell degranulation. Carboxypeptidase A, like all mast-cell proteases, is stored in the granule as an active enzyme (i.e. with its propeptide removed). Although the processing mechanisms for the other classes of mast-cell proteases (in particular the chymases) have been clarified to some extent, the processing of procarboxypeptidase A is poorly characterized. Here, we show that mast cells from mice lacking the aspartic protease cathepsin E display an accumulation of procarboxypeptidase A, indicating a defect in carboxypeptidase-A processing. By contrast, mast cells lacking cathepsins B, L or D have normal carboxypeptidase-A processing. Furthermore, recombinant cathepsin E was found to process recombinant procarboxypeptidase A in vitro, under conditions resembling those found in mast-cell granules. Immunohistochem. anal. revealed staining for cathepsin E in mast cells from normal mice but not in mast cells from mice lacking heparin, indicating that cathepsin E is bound to heparin proteoglycan within mast-cell granules. In accordance with this notion, affinity chromatog. showed that recombinant cathepsin E bound strongly to heparin under acidic conditions (the conditions prevailing in mast-cell granules) but not at neutral pH. Moreover, mast-cell degranulation resulted in the release of cathepsin E. Taken together, our results indicate that cathepsin E is located in mast-cell secretory granules in complex with heparin proteoglycans, and that it has a role in the processing of procarboxypeptidase A into active protease.

REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 11 OF 76 USPATFULL on STN

ACCESSION NUMBER: 2004:107617 USPATFULL

TITLE: Methods and compositions for targeting secretory lysosomes

INVENTOR(S): Rajotte, Daniel, Danbury, CT, UNITED STATES

Kabcenell, Alisa, Weston, CT, UNITED STATES

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharmaceuticals, Inc., Ridgefield, CT, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004082017	A1	20040429
APPLICATION INFO.:	US 2003-637887	A1	20030808 (10)

NUMBER	DATE
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PRIORITY INFORMATION: US 2002-403464P 20020814 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P  
O BOX 368, RIDGEFIELD, CT, 06877  
NUMBER OF CLAIMS: 26  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 8 Drawing Page(s)  
LINE COUNT: 720

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to methods and compositions for targeting  
proteins to secretory lysosomes. The invention further provides methods  
of use in drug screening assays, and methods of purifying secretory  
lysosomes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 24 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V.  
on STN DUPLICATE

ACCESSION NUMBER: 2003263162 ESBIOBASE  
TITLE: IL-1 Induces Vesicular Secretion of IL-6 without  
Degranulation from Human Mast Cells  
AUTHOR: Kandere-Grzybowska K.; Letourneau R.; Kempuraj D.;  
Donelan J.; Poplawski S.; Boucher W.; Athanassiou A.;  
Theoharides T.C.  
CORPORATE SOURCE: Dr. T.C. Theoharides, Dept. of Pharmacol./Exp.  
Therapeut., Tufts University School of Medicine, 136  
Harrison Avenue, Boston, MA 02111, United States.  
E-mail: theoharis.theoharides@tufts.edu  
SOURCE: Journal of Immunology, (01 OCT 2003), 171/9  
(4830-4836), 59 reference(s)  
CODEN: JOIMA3 ISSN: 0022-1767  
DOCUMENT TYPE: Journal; Article  
COUNTRY: United States  
LANGUAGE: English  
SUMMARY LANGUAGE: English

AB FcεRI cross-linkage in **mast cells** results in  
release of **granule**-associated mediators, such as histamine and  
**proteases**, as well as the production of numerous cytokines,  
including IL-6. **Mast cells** have been increasingly  
implicated in inflammatory processes where explosive degranulation is not  
commonly observed. Here, we show that IL-1 stimulates **secretion**  
of IL-6 without release of the **granule**-associated  
**protease tryptase** in normal human umbilical cord  
blood-derived **mast cells** (hCBMCs). IL-6  
**secretion** stimulated by IL-1 in hCBMCs is potentiated by priming  
with IL-4 and reflects the higher levels of IL-6 **secreted** from  
human leukemic **mast cell** line (HMC-1). Stimulating  
HMC-1 **cells** by both IL-1 and TNF-α results in synergistic  
**secretion** of IL-6. IL-6 is de novo synthesized, as its  
**secretion** is blocked by inhibitors of transcription or protein  
synthesis. IL-1 does not increase intracellular calcium ion levels in  
either hCBMCs or HMC-1 **cells**, and IL-6 stimulation proceeds in  
the absence of extracellular calcium ions. Ultrastructural Immunogold  
**localization** shows that IL-6 is excluded from the  
**secretory granules** and is compartmentalized in 40-to  
80-nm vesicular structures. Selective **secretion** of IL-6 from  
**mast cells** appears distinct from degranulation and may  
contribute to the development of inflammation, where the importance of  
IL-6 has been recognized.

L7 ANSWER 29 OF 76 USPATFULL on STN  
ACCESSION NUMBER: 2002:67207 USPATFULL  
TITLE: Method for reducing or preventing the establishment,

growth or metastasis of cancer by administering  
indazole peptidomimetics PAR-1 antagonist and  
optionally PAR-2 antagonists  
D'Andrea, Michael, Cherry Hill, NJ, UNITED STATES  
Derian, Claudia, Hatboro, PA, UNITED STATES  
Woodrow, Hal Brent, Princeton, NJ, UNITED STATES

INVENTOR(S) :

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002037860	A1	20020328
APPLICATION INFO.:	US 2001-865511	A1	20010525 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-603338, filed on 26 Jun 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-141553P	19990629 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Page(s)	
LINE COUNT:	2331	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB We have discovered a method of modifying the tumor cell microenvironment to reduce or prevent the establishment, growth or metastasis of malignant cells comprising administering to a patient having malignant cells a pharmaceutically effective amount of an indazole peptidomimetic PAR-1 inhibitor and optionally a PAR-2 inhibitor to prevent or reduce activation of normal cells within the tumor microenvironment. This method also has the effect in some patients of modulating the immune system to facilitate a more efficient immune response to malignant cells and maybe coupled with cytokine therapy and T-cell therapy to enhance the patient's immune response to the malignant cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 30 OF 76 USPATFULL on STN  
ACCESSION NUMBER: 2002:238679 USPATFULL  
TITLE: Natural product composition for decreasing IgE production and treating secondary allergic responses  
INVENTOR(S): Hebert, Rolland, Seattle, WA, United States  
Shanmugasundaram, Edayatimangalam Raja Bhavani, Chennai, INDIA  
Shanmugasundaram, Kalathkal Radha, Chennai, INDIA  
PATENT ASSIGNEE(S): Pharma Terra, Inc., Marcer Island, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6451354	B1	20020917
APPLICATION INFO.:	US 2000-696498		20001025 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-162038P	19991026 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Tate, Christopher R.	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	401	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A salt-spice-herbal composition known as Amrita Bindu that is clinically useful for reducing IgE production and treating secondary allergic responses is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 33 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V.  
on STN DUPLICATE

ACCESSION NUMBER: 2002096388 ESBIODASE  
TITLE: Tissue-specific expression of mast cell granule serine proteinases and their role in inflammation in the lung and gut  
AUTHOR: Miller H.R.P.; Pemberton A.D.  
CORPORATE SOURCE: H.R.P. Miller, W. Trust Ctr. Res. Comp. Resp. Med., Faculty of Veterinary Medicine, University of Edinburgh, Roslin, Midlothian, United Kingdom.  
E-mail: hrpm@staffmail.ed.ac.uk  
SOURCE: Immunology, (2002), 105/4 (375-390), 212 reference(s)  
CODEN: IMMUAM ISSN: 0019-2805  
DOCUMENT TYPE: Journal; General Review  
COUNTRY: United Kingdom  
LANGUAGE: English  
SUMMARY LANGUAGE: English

AB Serine **proteinases** with trypsin-like (**tryptase**) and chymotrypsin-like (**chymase**) properties are major constituents of **mast cell granules**. Several tetrameric **tryptases** with differing specificities have been characterized in humans, but only a single **chymase**. In other species there are larger families of **chymases** with distinct and narrow proteolytic specificities. Expression of **chymases** and **tryptases** varies between tissues. Human pulmonary and gastrointestinal **mast cells** express **chymase** at lower levels than **tryptase**, whereas rodent and ruminant gastrointestinal **mast cells** express uniquely mucosa-specific **chymases**. Local and systemic release of **chymases** and **tryptases** can be quantified by immunoassay, providing highly specific markers of **mast cell** activation. The expression and constitutive extra-cellular secretion of the mucosa-specific **chymase**, mouse **mast cell proteinase** -1 (mMCP-1), is regulated by transforming growth factor- $\beta$ .sub.1 (TGF- $\beta$ .sub.1) in vitro, but it is not clear how the differential expression of **chymases** and **tryptases** is regulated in other species. Few native inhibitors have been identified for **tryptases** but the tetramers dissociate into inactive subunits in the absence of heparin. **Chymases** are variably inhibited by plasma **proteinase** inhibitors and by **secretory** leucocyte **protease** inhibitor (SLPI) that is expressed in the airways. **Tryptases** and **chymases** promote vascular permeability via indirect and possibly direct mechanisms. They contribute to tissue remodelling through selective proteolysis of matrix proteins and through activation of **proteinase**-activated receptors and of matrix metalloproteinases. **Chymase** may modulate vascular tissues through its ability to process angiotensin-I to angiotensin-II. Mucosa-specific **chymases** promote epithelial permeability and are involved in the immune expulsion of intestinal nematodes. Importantly, **granule proteinases** released extracellularly contribute to the recruitment of inflammatory **cells** and may thus be involved in innate responses to infection.

L7 ANSWER 36 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V.  
on STN

ACCESSION NUMBER: 2001042842 ESBIODASE  
TITLE: Secretory granules of mast cells accumulate mature and



immature MHC class II molecules  
 AUTHOR: Vincent-Schneider H.; Thery C.; Mazzeo D.; Tenza D.;  
 Raposo G.; Bonnerot C.  
 CORPORATE SOURCE: C. Bonnerot, INSERM, Institut Curie, 12 rue Lhomond,  
 75005 Paris, France.  
 E-mail: bonnerot@curie.fr  
 SOURCE: Journal of Cell Science, (2001), 114/2 (323-334), 43  
 reference(s)  
 CODEN: JNCSAI ISSN: 0021-9533  
 DOCUMENT TYPE: Journal; Article  
 COUNTRY: United Kingdom  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

AB Bone marrow-derived **mast cells** as well as dendritic  
**cells**, macrophages and B lymphocytes express major  
 histocompatibility complex (MHC) class II molecules. In **mast**  
**cells**, the majority of MHC class II molecules reside in  
 intracellular **cell** type-specific compartments,  
**secretory granules**. To understand the molecular basis  
 for the **localisation** of MHC class II molecules in  
**secretory granules**, MHC class II molecules were  
 expressed, together with the invariant chain, in the **mast**  
**cell** line, RBL-2H3. Using electron and confocal microscopy, we  
 observed that in RBL-2H3 **cells**, mature and immature class II  
 molecules accumulate in **secretory granules**. Two  
 particular features of class II transport accounted for this  
 intracellular **localization**: first, a large fraction of newly  
 synthesized MHC class II molecules remained associated with invariant  
 chain fragments. This defect, resulting in a slower rate of MHC class II  
 maturation, was ascribed to a low **cathepsin S** activity. Second,  
 although a small fraction of class II dimers matured (i.e. became free of  
 invariant chain), allowing their association with antigenic peptides,  
 they were retained in **secretory granules**. As a  
 consequence of this intracellular **localization**, **cell**  
 surface expression of class II molecules was strongly increased by  
**cell** activation stimuli which induced the release of the contents  
 of **secretory granules**. Our results suggest that  
 antigen presentation, and thereby antigen specific T **cell**  
 stimulation, are regulated in **mast cells** by stimuli  
 which induce **mast cell** activation.

L7 ANSWER 37 OF 76 MEDLINE on STN  
 ACCESSION NUMBER: 2002229917 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 11967791  
 TITLE: Role of chymase on vascular proliferation.  
 AUTHOR: Miyazaki M; Takai S  
 SOURCE: Journal of the renin-angiotensin-aldosterone system :  
 JRAAS, (2000 Mar) Vol. 1, No. 1, pp. 23-6. Ref: 48  
 Journal code: 100971636. ISSN: 1470-3203.  
 PUB. COUNTRY: England: United Kingdom  
 DOCUMENT TYPE: Editorial  
 General Review; (REVIEW)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200206  
 ENTRY DATE: Entered STN: 23 Apr 2002  
 Last Updated on STN: 11 Jun 2002  
 Entered Medline: 6 Jun 2002

AB In the normal state, vascular ACE regulates **local** angiotensin II  
 formation and plays a crucial role in the regulation of blood pressure,  
 whereas **chymase** is stored in **secretory**  
**granules** in **mast cells** and has no enzymatic  
 effects such as angiotensin II-forming activity. Chymase has a maximal  
 activity immediately upon release into the extracellular matrix in  
 vascular tissues after mast cells have been activated by a strong stimulus

such as experienced by catheter-injured and grafted vessels. Therefore, chymase plays an important role in forming local angiotensin II when vascular tissues are injured, and inhibition of chymase may be useful for preventing vascular proliferation in grafted vessels and after PTCA (Figure 6).

L7 ANSWER 39 OF 76 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 7

ACCESSION NUMBER: 2000:226823 CAPLUS  
DOCUMENT NUMBER: 132:332419  
TITLE: Latexin, a carboxypeptidase A inhibitor, is expressed in rat peritoneal mast cells and is associated with granular structures distinct from secretory granules and lysosomes  
AUTHOR(S): Uratani, Yoshihiko; Takiguchi-Hayashi, Keiko; Miyasaka, Nobuhiko; Sato, Michio; Jin, Ming-Hao; Arimatsu, Yasuyoshi  
CORPORATE SOURCE: Mitsubishi Kasei Institute of Life Sciences, Tokyo, 194-8511, Japan  
SOURCE: Biochemical Journal (2000), 346(3), 817-826  
CODEN: BIJOAK; ISSN: 0264-6021  
PUBLISHER: Portland Press Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Latexin, a protein possessing inhibitory activity against rat carboxypeptidase A1 (CPA1) and CPA2, is expressed in a neuronal subset in the cerebral cortex and cells in other neural and non-neural tissues of rat. Although latexin also inhibits mast-cell CPA (MCCPA), the expression of latexin in rat mast cells has not previously been confirmed. In the present study we examined the expression and subcellular localization of latexin in rat peritoneal mast cells. Western blot and reverse-transcriptase mediated PCR analyses showed that latexin was contained and expressed in the rat peritoneal mast cells. Immunocytochem., latexin immunofluorescence was localized on granular structures distinct from MCCPA-, histamine- or cathepsin D-immuno-pos. granules. Immunoelectron microscopy revealed that latexin was associated with a minority population of granules. The latexin-associated granules were separated from MCCPA- or histamine-containing granules on a self-generating d. gradient of polyvinylpyrrolidone-coated silica-gel particles (Percoll). Treatments with high ionic strength and heparinase released latexin from the granules, suggesting that latexin is non-covalently associated with a heparin-like component of the granules. MCCPA and histamine were released from the mast cells after non-immunol. and immunol. stimulation with compound 48/80, A23187 and anti-IgE antibody, whereas latexin was not released. These results show that latexin is synthesized in rat peritoneal mast cells and suggest that it is associated with a unique type of intracellular granules distinct from MCCPA- and histamine-containing secretory granules and lysosomes.

REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 54 OF 76 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN DUPLICATE

ACCESSION NUMBER: 1994121105 ESBIOBASE  
TITLE: Development of a new, more sensitive immunoassay for human tryptase: Use in systemic anaphylaxis  
AUTHOR: Schwartz L.B.; Bradford T.R.; Rouse C.; Irani A.-M.; Rasp G.; Van Der Zwan J.K.; Van Der Linden P.-W.G.  
CORPORATE SOURCE: L.B. Schwartz, Virginia Commonwealth University, MCV Box 263, Richmond, VA 23298, United States.  
SOURCE: Journal of Clinical Immunology, (1994), 14/3 (190-204)  
CODEN: JCIMDO ISSN: 0271-9142  
DOCUMENT TYPE: Journal; Article  
COUNTRY: United States  
LANGUAGE: English  
SUMMARY LANGUAGE: English

AB     **Tryptase**, a neutral **protease**, is selectively concentrated in the **secretory granules** of human **mast cells**, and its release into the circulation serves as a clinical marker of **mast cell** activation. The current study describes a new, more sensitive ELISA utilizing a newly developed, mouse monoclonal IgG1 antibody for capture called B12 and capable of detecting **tryptase** in normal plasma and serum. The greater sensitivity of the new immunoassay results in part from a greater portion of **tryptase** being detected. Mean levels of **tryptase** in serum from normal subjects from Richmond, Virginia (4.9 ng/ml; n = 56), Munich, Germany (3.8 ng/ml; n = 19), and Amersfoort, The Netherlands (1.9 ng/ml; n = 8) were as indicated. In 62 subjects with ongoing allergic rhinitis, **tryptase** levels were no different in serum than for 19 normal controls, indicating that **local mast cell** activation is not necessarily reflected in the circulation. In 61 subjects sensitive to honey bee or yellow jacket venom by history, the 17 destined to have a severe, hypotensive response to a sting challenge had higher levels of **tryptase** at baseline than mild reactors, nonreactors, and controls, suggesting that baseline levels of **tryptase** may predict the severity of the clinical response to allergen in sensitive subjects.

L7     ANSWER 58 OF 76     BIOSIS     COPYRIGHT (c) 2006 The Thomson Corporation     on  
STN     DUPLICATE 17

ACCESSION NUMBER:     1992:276752     BIOSIS  
DOCUMENT NUMBER:     PREV199294001402; BA94:1402  
TITLE:     DIFFERENTIAL EXPRESSION OF SECRETORY GRANULE PROTEASES IN  
MOUSE MAST CELLS EXPOSED TO INTERLEUKIN 3 AND C-KIT LIGAND.  
AUTHOR(S):     GURISH M F [Reprint author]; GHILDYAL N; MCNEIL H P; AUSTEN  
K F; GILLIS S; STEVENS R L  
CORPORATE SOURCE:     DEP MED, HARVARD MED SCH, SEELEY G MUDD BUILD, ROOM 625,  
250 LONGWOOD AVE, BOSTON, MASS 02115, USA  
SOURCE:     Journal of Experimental Medicine, (1992) Vol. 175, No. 4,  
pp. 1003-1012.  
CODEN: JEMEAV. ISSN: 0022-1007.  
DOCUMENT TYPE:     Article  
FILE SEGMENT:     BA  
LANGUAGE:     ENGLISH  
ENTRY DATE:     Entered STN: 10 Jun 1992  
Last Updated on STN: 10 Jun 1992

AB     It is now established that the subclass of **mast cells** (MC) that reside in mucosal and serosal environments can be distinguished from one another in terms of their expression of specific **secretory granule-localized proteases** and proteoglycans. Further, the hematopoietic- and connective tissue-derived cytokines that regulate expression of the genes that encode these constituents of the granule can now be identified using recently developed gene-specific probes and recombinant cytokines. When bone marrow-derived MC (BMMC) were developed with recombinant interleukin 3 (rIL-3) and maintained with this cytokine in the absence or presence of recombinant c-kit ligand (rKL), they remained safranin-, produced almost no 35S-labeled heparin proteoglycans, and contained greater levels of mouse MC protease (MMCP) -5 mRNA and mast cell carboxypeptidase A (MC-CPA) mRNA than MMCP-6 mRNA. They did not contain MMCP-4 or -2 mRNA, genes expressed late in the differentiation of progenitor cells into serosal and mucosal MCs, respectively. In contrast, BMMC developed with rKL alone or by sequential culture in medium containing rIL-3 followed by rKL expressed high levels of MMCP-4 and -6 mRNA, as well as the transcripts that encode MMCP-5 and MC-CPA. Although rKL-developed BMMC were safranin+ and produced substantial amounts of 35S-labeled heparin proteoglycans, they contained only minimal amounts of histamine and MC-CPA enzymatic activity relative to serosal MC. These are the first studies to characterize the transcriptional granule phenotype of a population of BMMC derived using any recombinant cytokine, to demonstrate a dissociation between histochemical staining and granule maturation, and to demonstrate

antagonistic regulation of late expressed protease genes by a cytokine.

L7 ANSWER 64 OF 76 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
ACCESSION NUMBER: 1992:88484 BIOSIS  
DOCUMENT NUMBER: PREV199242040759; BR42:40759  
TITLE: **LOCALIZATION AND DISCHARGE OF MAST CELL SERINE PROTEINASES EVIDENCE OF COMPARTMENTALIZATION AND EXTERNALIZATION BY SECRETORY GRANULES.**  
AUTHOR(S): WHITAKER D [Reprint author]; SCHECHTER N M; LAZARUS G S; MURPHY G F  
CORPORATE SOURCE: DEP DEMATOL, UNIV PENNSYLVANIA MED SCH, PHILADELPHIA, PA 19104, USA  
SOURCE: Journal of Cell Biology, (1991) Vol. 115, No. 3 PART 2, pp. 303A.  
Meeting Info.: ABSTRACTS OF PAPERS PRESENTED AT THE THIRTY-FIRST ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, BOSTON, MASSACHUSETTS, USA, DECEMBER 8-12, 1991. J CELL BIOL.  
CODEN: JCLBA3. ISSN: 0021-9525.  
DOCUMENT TYPE: Conference; (Meeting)  
FILE SEGMENT: BR  
LANGUAGE: ENGLISH  
ENTRY DATE: Entered STN: 4 Feb 1992  
Last Updated on STN: 5 Feb 1992

L7 ANSWER 74 OF 76 MEDLINE on STN DUPLICATE 25  
ACCESSION NUMBER: 82121151 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 6799569  
TITLE: **Localization of carboxypeptidase A to the macromolecular heparin proteoglycan-protein complex in secretory granules of rat serosal mast cells.**  
AUTHOR: Schwartz L B; Riedel C; Schratz J J; Austen K F  
CONTRACT NUMBER: AI-07722 (NIAID)  
AI-10356 (NIAID)  
HL-17382 (NHLBI)  
+  
SOURCE: Journal of immunology (Baltimore, Md. : 1950), (1982 Mar) Vol. 128, No. 3, pp. 1128-33.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 198204  
ENTRY DATE: Entered STN: 17 Mar 1990  
Last Updated on STN: 3 Mar 2000  
Entered Medline: 20 Apr 1982

L7 ANSWER 76 OF 76 MEDLINE on STN DUPLICATE 26  
ACCESSION NUMBER: 80228988 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 6771334  
TITLE: **Enzymes of the mast cell granule.**  
AUTHOR: Schwartz L B; Austen K F  
SOURCE: The Journal of investigative dermatology, (1980 May) Vol. 74, No. 5, pp. 349-53.  
Journal code: 0426720. ISSN: 0022-202X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198009  
ENTRY DATE: Entered STN: 15 Mar 1990

Last Updated on STN: 15 Mar 1990

Entered Medline: 26 Sep 1980

AB Rat mast cell granules contain a spectrum of enzymes as established by histochemical techniques and subcellular fractionation. However, 35% of the beta-glucuronidase, 30% of the beta-D-galactosidase, 14% of the beta-hexosaminidase and all of the acid phosphatase is not available for immunologic release from purified rat serosal mast cells, suggesting the presence of nonsecretory lysosomes containing these acid hydrolases. On the other hand, immunologic release of the majority of **chymase**, beta-hexosaminidase, beta-glucuronidase, beta-D-galactosidase, and arylsulfatase A occurs in parallel with histamine and thereby **localizes** these substances to the rat **mast cell secretory granule**. A molecular model of the secretory granule in the resting mast cell can now be constructed in which heparin proteoglycan is the granule matrix to which chymase and probably other proteins are ionically bound. Inhibition of chymase by serotonin stored in its active site and of chymase and acid hydrolases by their interaction with heparin probably occurs. Histamine is stored by ionic linkage to carboxyl groups of protein and heparin. Micromolar amounts of heparin glycosaminoglycans, histamine, serotonin, chymase, beta-D-hexosaminidase, beta-glucuronidase, and arylsulfatase A in secretory granules of 10(6) mast cells are  $0.7\text{--}1.3 \times 10^{-3}$ ,  $70\text{--}220 \times 10^{-3}$ ,  $0.9\text{--}28 \times 10^{-3}$ ,  $0.2\text{--}0.5 \times 10^{-3}$ ,  $0.9\text{--}2.7 \times 10^{-6}$ ,  $0.1\text{--}0.3 \times 10^{-6}$  and less than  $8 \times 10^{-6}$ , respectively. In addition, the total protein available for calcium ionophore-induced release from 10(6) rat mast cells is about 60 microgram, indicating that less than 50% of the granule protein can be accounted for. Recognition that mast cell secretory granules contain acid hydrolases indicates that they are modified lysosomes; their special intracellular and extracellular functions are dictated by the associated novel constituents and the stimulus for activation.

=> s 17 and fus?

L8 27 L7 AND FUS?

=> d ti 18 1-28

L8 ANSWER 1 OF 27 USPATFULL on STN

TI RT-PCR-based cloning of the human beta-amyloid precursor protein gene and the construction of its expression plasmids

L8 ANSWER 2 OF 27 USPATFULL on STN

TI Novel inhibitors of chymase

L8 ANSWER 3 OF 27 USPATFULL on STN

TI Cancer treatment methods using selected antibodies to aminophospholipids

L8 ANSWER 4 OF 27 USPATFULL on STN

TI Cancer treatment methods using selected immunoconjugates for binding to aminophospholipids

L8 ANSWER 5 OF 27 USPATFULL on STN

TI Method to identify and analyze genes having modified expression in activated cells with secretory lysosomes

L8 ANSWER 6 OF 27 USPATFULL on STN

TI Lp mammalian proteins; related reagents

L8 ANSWER 7 OF 27 USPATFULL on STN

TI Methods and compositions for targeting secretory lysosomes

L8 ANSWER 8 OF 27 USPATFULL on STN

TI Purified proenzyme of dipeptidyl peptidase i (pro-dppi)

L8 ANSWER 9 OF 27 USPATFULL on STN

TI Proteins and nucleic acids encoding same

L8 ANSWER 10 OF 27 USPATFULL on STN  
 TI Novel polypeptides and nucleic acids encoding same

L8 ANSWER 11 OF 27 USPATFULL on STN  
 TI Novel polypeptides and nucleic acids encoding same

L8 ANSWER 12 OF 27 USPATFULL on STN  
 TI Novel polypeptides and nucleic acids encoding same

L8 ANSWER 13 OF 27 USPATFULL on STN  
 TI Novel polypeptides and nucleic acids encoding same

L8 ANSWER 14 OF 27 USPATFULL on STN  
 TI Novel proteins and nucleic acids encoding same

L8 ANSWER 15 OF 27 USPATFULL on STN  
 TI Interventions to mimic the effects of calorie restriction

L8 ANSWER 16 OF 27 USPATFULL on STN  
 TI Novel polypeptides and nucleic acids encoding same

L8 ANSWER 17 OF 27 USPATFULL on STN  
 TI Novel polypeptides and nucleic acids encoding same

L8 ANSWER 18 OF 27 USPATFULL on STN  
 TI Natural product composition for decreasing IgE production and treating secondary allergic responses

L8 ANSWER 19 OF 27 USPATFULL on STN  
 TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering benzimidazolone peptidomimetics PAR-1 antagonist and optionally PAR-2 antagonists

L8 ANSWER 20 OF 27 USPATFULL on STN  
 TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering indole peptidomimetics PAR-1 antagonist and optionally PAR-2 antagonists

L8 ANSWER 21 OF 27 USPATFULL on STN  
 TI Interventions to mimic the effects of calorie restriction

L8 ANSWER 22 OF 27 USPATFULL on STN  
 TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering PAR-1 and optionally PAR-2 antagonists

L8 ANSWER 23 OF 27 USPATFULL on STN  
 TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering indazole peptidomimetics PAR-1 antagonist and optionally PAR-2 antagonists

L8 ANSWER 24 OF 27 USPATFULL on STN  
 TI Phospholipase D gene

L8 ANSWER 25 OF 27 USPATFULL on STN  
 TI Mast cell protease that cleaves fibrinogen

L8 ANSWER 26 OF 27 USPATFULL on STN  
 TI Hematopoietic cell specific transcriptional regulatory elements of serglycin and uses thereof

L8 ANSWER 27 OF 27 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN

TI Isolation of Mast Cell Secretory Lysosomes Using Flow Cytometry

=> s 15 and mast?

L9 181 L5 AND MAST?

=> s 19 and fus?

L10 60 L9 AND FUS?

=> dup rem l10

PROCESSING COMPLETED FOR L10

L11 59 DUP REM L10 (1 DUPLICATE REMOVED)

=> d ti l11 1-59

L11 ANSWER 1 OF 59 USPATFULL on STN

TI Vp2-modified raav vector compositions and uses therefor

L11 ANSWER 2 OF 59 USPATFULL on STN

TI Raav expression systems for genetic modification of specific capsid proteins

L11 ANSWER 3 OF 59 USPATFULL on STN

TI RT-PCR-based cloning of the human beta-amyloid precursor protein gene and the construction of its expression plasmids

L11 ANSWER 4 OF 59 USPATFULL on STN

TI Methods and compositions for diagnosing and monitoring transplant rejection

L11 ANSWER 5 OF 59 USPATFULL on STN

TI Bioinformatically detectable group of novel regulatory genes and uses thereof

L11 ANSWER 6 OF 59 USPATFULL on STN

TI Compositions and methods for treatment of infectious and inflammatory diseases

L11 ANSWER 7 OF 59 USPATFULL on STN

TI Cystatin C as an antagonist of TGF-beta and methods related thereto

L11 ANSWER 8 OF 59 USPATFULL on STN

TI Non-natural ribonuclease conjugates as cytotoxic agents

L11 ANSWER 9 OF 59 USPATFULL on STN

TI Immunostimulatory nucleic acid for treatment of non-allergic inflammatory diseases

L11 ANSWER 10 OF 59 USPATFULL on STN

TI Allogeneic vaccine and methods to synthesize same

L11 ANSWER 11 OF 59 USPATFULL on STN

TI Therapeutic use of factor XI

L11 ANSWER 12 OF 59 USPATFULL on STN

TI Novel methods of diagnosis of metastatic cancer, compositions and methods of screening for modulators of metastatic cancer

L11 ANSWER 13 OF 59 USPATFULL on STN

TI Novel inhibitors of chymase

L11 ANSWER 14 OF 59 USPATFULL on STN

TI Treatment of vascular dysfunction and alzheimer's disease

L11 ANSWER 15 OF 59 USPATFULL on STN

TI      Allogeneic vaccine and methods to synthesize same

L11    ANSWER 16 OF 59    USPATFULL on STN  
TI      Cancer treatment methods using selected antibodies to aminophospholipids

L11    ANSWER 17 OF 59    USPATFULL on STN  
TI      Compositions isolated from bovine mammary gland and methods for their use

L11    ANSWER 18 OF 59    USPATFULL on STN  
TI      Cancer treatment methods using selected immunoconjugates for binding to aminophospholipids

L11    ANSWER 19 OF 59    USPATFULL on STN  
TI      PROTEIN THAT MODULATES THE STABILITY OF TRANSCRIPTIONAL REGULATORY COMPLEXES REGULATING NUCLEAR HORMONE RECEPTOR ACTIVITY, DNA ENCODING SAME, AND ANTIBODIES THERETO

L11    ANSWER 20 OF 59    USPATFULL on STN  
TI      Method of identifying modulators of presenilin

L11    ANSWER 21 OF 59    USPATFULL on STN  
TI      Method to identify and analyze genes having modified expression in activated cells with secretory lysosomes

L11    ANSWER 22 OF 59    USPATFULL on STN  
TI      Vesicle-associated proteins

L11    ANSWER 23 OF 59    USPATFULL on STN  
TI      Diagnostics and therapeutics for restenosis

L11    ANSWER 24 OF 59    USPATFULL on STN  
TI      Methods and compositions for the inhibition of cathepsins

L11    ANSWER 25 OF 59    USPATFULL on STN  
TI      Lp mammalian proteins; related reagents

L11    ANSWER 26 OF 59    USPATFULL on STN  
TI      Methods and compositions for targeting secretory lysosomes

L11    ANSWER 27 OF 59    USPATFULL on STN  
TI      Novel nucleic acids and secreted polypeptides

L11    ANSWER 28 OF 59    USPATFULL on STN  
TI      Purified proenzyme of dipeptidyl peptidase i (pro-dppi)

L11    ANSWER 29 OF 59    USPATFULL on STN  
TI      Proteins and nucleic acids encoding same

L11    ANSWER 30 OF 59    USPATFULL on STN  
TI      Polynucleotide encoding a novel cysteine protease of the calpain superfamily, Protease-42

L11    ANSWER 31 OF 59    USPATFULL on STN  
TI      Novel polypeptides and nucleic acids encoding same

L11    ANSWER 32 OF 59    USPATFULL on STN  
TI      Selections of genes and methods of using the same for diagnosis and for targeting the therapy of select cancers

L11    ANSWER 33 OF 59    USPATFULL on STN  
TI      Endometrial genes in endometrial disorders

L11    ANSWER 34 OF 59    USPATFULL on STN  
TI      Methods of diagnosis of ovarian cancer, compositions and methods of



screening for modulators of ovarian cancer

- L11 ANSWER 35 OF 59 USPATFULL on STN  
TI Novel full-length cDNA
- L11 ANSWER 36 OF 59 USPATFULL on STN  
TI Methods of treating vascular disease associated with cystatin C deficiency
- L11 ANSWER 37 OF 59 USPATFULL on STN  
TI Diagnostics and therapeutics for restenosis
- L11 ANSWER 38 OF 59 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same
- L11 ANSWER 39 OF 59 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same
- L11 ANSWER 40 OF 59 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same
- L11 ANSWER 41 OF 59 USPATFULL on STN  
TI Compositions and methods for treatment of infectious and inflammatory diseases
- L11 ANSWER 42 OF 59 USPATFULL on STN  
TI Novel proteins and nucleic acids encoding same
- L11 ANSWER 43 OF 59 USPATFULL on STN  
TI Interventions to mimic the effects of calorie restriction
- L11 ANSWER 44 OF 59 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same
- L11 ANSWER 45 OF 59 USPATFULL on STN  
TI Novel polypeptides and nucleic acids encoding same
- L11 ANSWER 46 OF 59 USPATFULL on STN  
TI Immunostimulatory nucleic acid for treatment of non-allergic inflammatory diseases
- L11 ANSWER 47 OF 59 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V.  
on STN DUPLICATE  
TI Isolation of **Mast** Cell Secretory Lysosomes Using Flow Cytometry
- L11 ANSWER 48 OF 59 USPATFULL on STN  
TI Nucleic acids, proteins and antibodies
- L11 ANSWER 49 OF 59 USPATFULL on STN  
TI 33449, a human protease family member and uses thereof
- L11 ANSWER 50 OF 59 USPATFULL on STN  
TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering benzimidazolone peptidomimetics PAR-1 antagonist and optionally PAR-2 antagonists
- L11 ANSWER 51 OF 59 USPATFULL on STN  
TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering indole peptidomimetics PAR-1 antagonist and optionally PAR-2 antagonists
- L11 ANSWER 52 OF 59 USPATFULL on STN  
TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering PAR-1 and optionally PAR-2 antagonists

L11 ANSWER 53 OF 59 USPATFULL on STN  
 TI Method for reducing or preventing the establishment, growth or metastasis of cancer by administering indazole peptidomimetics PAR-1 antagonist and optionally PAR-2 antagonists

L11 ANSWER 54 OF 59 USPATFULL on STN  
 TI Natural product composition for decreasing IgE production and treating secondary allergic responses

L11 ANSWER 55 OF 59 USPATFULL on STN  
 TI Bone remodeling genes

L11 ANSWER 56 OF 59 USPATFULL on STN  
 TI Interventions to mimic the effects of calorie restriction

L11 ANSWER 57 OF 59 USPATFULL on STN  
 TI Phospholipase D gene

L11 ANSWER 58 OF 59 USPATFULL on STN  
 TI **Mast** cell protease that cleaves fibrinogen

L11 ANSWER 59 OF 59 USPATFULL on STN  
 TI Hematopoietic cell specific transcriptional regulatory elements of serglycin and uses thereof

=> d l11 ibib abs 21 47 53 58

L11 ANSWER 21 OF 59 USPATFULL on STN  
 ACCESSION NUMBER: 2005:81467 USPATFULL  
 TITLE: Method to identify and analyze genes having modified expression in activated cells with secretory lysosomes  
 INVENTOR(S): Kabcenell, Alisa, Weston, CT, UNITED STATES  
 Li, Jun, Danbury, CT, UNITED STATES  
 Rajotte, Daniel, Danbury, CT, UNITED STATES  
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharmaceuticals, Inc., Ridgefield, CT, UNITED STATES, 06877-0368 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005069909	A1	20050331
APPLICATION INFO.:	US 2003-737465	A1	20031216 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-437239P	20021231 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MICHAEL P. MORRIS, BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P O BOX 368, RIDGEFIELD, CT, 06877-0368	

NUMBER OF CLAIMS: 23  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 5 Drawing Page(s)  
 LINE COUNT: 949

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of identifying genes involved in the regulated secretion of cells having secretory lysosomes comprising the steps of:

a) exposing experimental cells to an activating agent;

b) preparing RNA from said experimental cells at one or more activation phases;

- c) measuring the level of gene expression in the cells;
- d) comparing the levels of gene expression of said experimental cells to the level of gene expression in control cells that have not been exposed to an activating agent;
- e) identifying genes that are up regulated or down regulated in said experimental cells relative to said control cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 47 OF 59 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V.  
on STN DUPLICATE

ACCESSION NUMBER: 2003312729 ESBIOBASE  
TITLE: Isolation of **Mast** Cell Secretory Lysosomes  
Using Flow Cytometry  
AUTHOR: Rajotte D.; Stearns C.D.; Kabcenell A.K.  
CORPORATE SOURCE: Dr. D. Rajotte, Department of Biology, Boehringer  
Ingelheim Pharmaceuticals, Research and Development  
Center, 900 Ridgebury Road, Ridgefield, CT 06877,  
United States.  
E-mail: drajotte@rdg.boehringer-ingelheim.com  
SOURCE: Cytometry Part A, (2003), 55/2 (94-101), 26  
reference(s)  
CODEN: CPAYAV ISSN: 0196-4763  
DOCUMENT TYPE: Journal; Article  
COUNTRY: United States  
LANGUAGE: English  
SUMMARY LANGUAGE: English

AB Background: **Mast cells** are specialized **secretory cells** of the immune system. Through exocytosis of their **secretory lysosomes** and **secretory granules**, **mast cells** release biologically active substances such as histamine and **proteases**. **Mast cell secretory granules** have been studied extensively but much less attention has been given to **secretory lysosomes**. Studies on **mast cell secretory lysosomes** are limited by the lack of selective markers and the difficulty to isolate this organelle from conventional **lysosomes**. Our goal was to develop better tools to study **secretory lysosomes**. Methods: We engineered a rat **mast cell** line over expressing a rat **mast cell protease** (RMCP) tagged with a red fluorescent protein (RMCP-DsRed). We used single organelle flow analysis (SOFA) to detect fluorescently labeled **secretory lysosomes**. The labeled organelles were then sorted using the fluorescence-assisted organelle sorting (FAOS) method. Results: We show that the RMCP-DsRed **fusion** protein selectively **localizes** to the **lysosomal** compartment and is exocytosed upon activation, confirming its **localization** in **secretory lysosomes**. **Lysosomal** fractions from **cells** expressing the RMCP-DsRed **fusion** were analyzed by SOFA and a specific population of **secretory lysosome** was identified. Finally, we sorted **secretory lysosomes** and showed that the sorted material had a higher specific activity for the compartment marker hexosaminidase than a sample obtained by conventional methods. Conclusions: Our work further demonstrates the usefulness of flow cytometry to study **cellular** organelles, and provides new tools to better understand the physiology of **secretory lysosomes**. .COPYRG. 2003 Wiley-Liss, Inc.

L11 ANSWER 53 OF 59 USPATFULL on STN  
ACCESSION NUMBER: 2002:67207 USPATFULL  
TITLE: Method for reducing or preventing the establishment, growth or metastasis of cancer by administering

indazole peptidomimetics PAR-1 antagonist and optionally PAR-2 antagonists  
INVENTOR(S): D'Andrea, Michael, Cherry Hill, NJ, UNITED STATES  
Derian, Claudia, Hatboro, PA, UNITED STATES  
Woodrow, Hal Brent, Princeton, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002037860	A1	20020328
APPLICATION INFO.:	US 2001-865511	A1	20010525 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-603338, filed on 26 Jun 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-141553P	19990629 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Page(s)	
LINE COUNT:	2331	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB We have discovered a method of modifying the tumor cell microenvironment to reduce or prevent the establishment, growth or metastasis of malignant cells comprising administering to a patient having malignant cells a pharmaceutically effective amount of an indazole peptidomimetic PAR-1 inhibitor and optionally a PAR-2 inhibitor to prevent or reduce activation of normal cells within the tumor microenvironment. This method also has the effect in some patients of modulating the immune system to facilitate a more efficient immune response to malignant cells and maybe coupled with cytokine therapy and T-cell therapy to enhance the patient's immune response to the malignant cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 58 OF 59 USPATFULL on STN  
ACCESSION NUMBER: 1999:128398 USPATFULL  
TITLE: Mast cell protease that cleaves fibrinogen  
INVENTOR(S): Stevens, Richard L., Sudbury, MA, United States  
PATENT ASSIGNEE(S): Brigham and Womens's Hospital, Inc., Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5968782		19991019
APPLICATION INFO.:	US 1997-978404		19971125 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-32354P	19961204 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Wax, Robert A.	
ASSISTANT EXAMINER:	Moore, William W.	
LEGAL REPRESENTATIVE:	Wolf, Greenfield & Sacks, P.C.	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	3794	

AB Compositions containing a Trypson-like serine protease from mast cells ("tryptase-7") are provided. The compositions are useful for treating blood clot formation in vitro and in in vitro. Also provided is a novel bioengineering method to produce the tryptase-7 and other serine

proteases in active form and in large quantities.

=> d his full

(FILE 'HOME' ENTERED AT 21:54:17 ON 02 JUN 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 21:54:43 ON 02 JUN 2006  
SEA SECRET?(S) (LYSOS? OR GRANUL?)

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84 FILE ADISCTI  
35 FILE ADISINSIGHT  
28 FILE ADISNEWS  
664 FILE AGRICOLA  
11 FILE ANABSTR  
1 FILE ANTE  
8 FILE AQUALINE  
1121 FILE AQUASCI  
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16593 FILE BIOSIS  
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193 FILE DDFB  
600 FILE DDFU  
2057 FILE DGENE  
920 FILE DISSABS  
193 FILE DRUGB  
1247 FILE DRUGU  
120 FILE EMBAL  
13368 FILE EMBASE  
7230 FILE ES BIOBASE  
10 FILE FROSTI  
30 FILE FSTA  
551 FILE GENBANK  
15 FILE HEALSAFE  
370 FILE IFIPAT  
9 FILE IMSDRUGNEWS  
8 FILE IMSRESEARCH  
1738 FILE JICST-EPLUS  
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5161 FILE LIFESCI  
14017 FILE MEDLINE  
93 FILE NTIS  
1 FILE NUTRACEUT  
168 FILE OCEAN  
6612 FILE PASCAL  
5 FILE PHAR  
5 FILE PHARMAML  
36 FILE PHIN  
289 FILE PROMT  
13 FILE PROUSDDR  
8 FILE RDISCLOSURE  
10143 FILE SCISEARCH  
4249 FILE TOXCENTER

7252 FILE USPATFULL  
 701 FILE USPAT2  
 3 FILE VETB  
 112 FILE VETU  
 12 FILE WATER  
 568 FILE WPIDS  
 5 FILE WPIFV  
 568 FILE WPINDEX  
 33 FILE IPA  
 12 FILE NAPRALERT  
 207 FILE NLDB

L1 QUE SECRET?(S) (LYSOS? OR GRANUL?)  
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 D RANK

FILE 'BIOSIS, MEDLINE, CAPLUS, EMBASE, SCISEARCH, USPATFULL, ESBIOBASE, BIOTECHNO, PASCAL, LIFESCI, TOXCENTER, CABA' ENTERED AT 21:57:35 ON 02 JUN 2006

L2 108725 SEA SECRET?(S) (LYSOS? OR GRANUL?)  
 L3 9324 SEA L2(S) LOCAL?  
 L4 887 SEA L3(S) (PROTEAS? OR TRYPTAS? OR CHYMAS? OR CATHEPS? OR CARBOXYPEPTIDAS? OR PROTEINAS? OR HEXOSAMIDA?)  
 L5 716 SEA L4(S) CELL?  
 L6 146 SEA L5(S) MAST?  
 L7 76 DUP REM L6 (70 DUPLICATES REMOVED)  
 D TI L7 1-76  
 D IBIB ABS L7 6 8 11 24 29 30 33 36 37 39 54 58 64 74 76  
 L8 27 SEA L7 AND FUS?  
 D TI L8 1-28  
 L9 181 SEA L5 AND MAST?  
 L10 60 SEA L9 AND FUS?  
 L11 59 DUP REM L10 (1 DUPLICATE REMOVED)  
 D TI L11 1-59  
 D L11 IBIB ABS 21 47 53 58

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FILE STNINDEX

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
 FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 31 May 2006 (20060531/ED)

FILE MEDLINE

FILE LAST UPDATED: 2 JUN 2006 (20060602/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>).  
 See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_med\\_data\\_changes.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_2006\\_MeSH.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html)

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the